AUTHOR INDEX TO VOLUME 5

Abrosimov, A. T. (see Vernov, S. N.) - 126
Afanas'ev, A. M. (see Kagan, Yu.) - 40
Ainbinder, N. E. (see Grechishkin, V. S.)-72
Akhiezer, I. A. Raman Scattering of Ultrasound in Magnetically Ordered Crystals - 160
Akhmanov, S.A. and A. P. Sukhorukov. Nonstationary Self-focusing of Laser Pulses in a Dissipative Medium - 87
Akhmedov, S. Sh. and B. R. Krasik. Experimental Investigation of the Surface superconductivity of Niobium - 358
Aleksandrov, A. Yu. (see Stepanov, E. P.)-83
Alikhanov, R. A. Structure of α Modification of Oxygen -349
Al'tshuler, S. A. and M. A. Teplov. Nuclear Magnetic Resonance at Simple Electronic Levels of Rare Earth Ions -167 (289)*
Ambartsumyan, R. V., P. G. Kryukov, V. S. Letokhov, and Yu. A. Matveev. Emission Statistics of a Laser with Nonresonant Feedback -312
Anisovich, V. V., S. S. Gershtein, and V. N. Folomeshkin. Is the Equality of the Electric and Magnetic Proton Form Factors Exact? -277
Ansel'm, A. A. and I. T. Dyatlov. Two-particle Inelastic Reactions and Moving Branch Points in Angular-momentum Plane -330
Aref'ev, I. M., B. D. Kopylovskii, D. Sh. Mash, and I. L. Fabelinskii. Determination of the Diffusion Coefficient by Heterodyning Light Scattered by Liquid Solutions - 355
Aronov, A. G. (see Bogomolov, V. N.) -169
Asanov, R. A. and M. A. Markov. Self-energy of Particles in General Relativity Theory -341
Askar'yan, G. A., M. S. Rabinovich, A. D. Smirnova, and V. B. Studenov. Currents Produced by Light Pressure when a Laser Beam Acts on Matter -93
Askar'yan, G. A., M. S. Rabinovich, M. M. Savchenko, and V. K. Stepanov. Optical Breakdown "Fireball" in the Focus of a Laser Beam -121 (238)
Askar'yan, G. A., M. S. Rabinovich, M. M. Savchenko, V. K. Stepanov, and V. B. Studenov. Light-reaction Acceleration of Macro-particles of Matter -208
Azbel', M. Ya. Periodic Magnetic Structures and Phase Transitions -230
Azbel', M. Ya. and L. B. Dubovskii. Nonlinear Quantum Pseudoresonance in Metals -338
Azbel', M. Ya., and V. G. Peschanskii. Cyclotron Resonance in an Inclined Magnetic Field -19
Babichev, N. B., E. D. Zhizhin, and Yu. P. Nikitin. Concerning the Nature of the A_1 Resonance -162
Bagdasarov, Kh. S., A. A. Kaminskii, Ya. E. Lapsker, and B. P. Sobolev. Laser with Neodymium-activated α-Gagarinite -175
Bakanova, A. A. and I. P. Dudoladov. Compression of Alkali-earth Metals by Strong Shock Waves -265
Barenblatt, G. I., N. N. Vsevolodov, L. I. Mirkin, N. F. Pilipetskii, and Yu. P. Raizer. Destruction of Transparent Materials by Laser Radiation. Formation of Gas Bubbles and Wedging of the Material by Gas Pressure -69
Basov, N. G., V. A. Boiko, Yu. P. Voinov, E. Ya. Kononov, S. L. Mandel'shtam, and G. V. Sklizkov. Production of Spectra of Multiply Charged Ions by Focusing Laser Radiation on a Solid Target -141
Batyev, E. G. Superconductivity in a Nonequilibrium System -35
Belavin, A. A. and I. Yu. Kobzarev. The possibility of Checking the $\Delta T = 1/2$ Rule in Reactions of Single Production of Strange Particles -226
Belikova, T. P. and E. A. Sviridenkov. Frequency Doubling of Light in Ruby -22
Berlovich, E. E. and Yu. N. Novikov. Contribution of Unpaired Particle to the Deformation of the Nucleus -334
Bezzubov, A. L. (see Garif'yanov, N. S.) -17
Bogomolov, V. N. and D. N. Mirlin. Infrared Absorption in Conducting Rutile Crystals -241
Bogomolov, V. N., S. G. Shul'man, A. G. Aronov, and G. E. Pikus. Obtaining a Falling Voltage-current Characteristic in Semiconductors in Crossed Electric and Magnetic Fields by Short Circuiting the Transverse Hall Field -169
Boiko, I. I. Pinch Effect in Semiconductors with Intrinsic Conductivity -343
Boiko, V. A. (see Basov, N. G.) -141
Borman, V. D., L. L. Gorelik, B. I. Nikolaev, and V. V. Sinitsyn. Influence of Alternating Electric Field on Transport Phenomena in Polar Gases -85
Braginskii, V. B. and M. E. Gertsenshtein. Concerning the Effective Generation and Observation of Gravitational Waves -287
Bugai, A. A. and A. B. Roitsin. EPR in Ruby in a Constant Electric Field Without a Magnetic Field -67
Bystrova, T. B., G. S. Voronov, G. A. Delone, and N. B. Delone. Muliphoton Ionization of Xenon and Krypton Atoms at Wavelength $\lambda = 1.06$ μ -178
Cerenkov, P. A. (see Denisov, F. P.) -200
Chaban, A.A. Optoelectric Effect in a Laser beam - 14 (371)
Chaban, A. A. Self-focusing of Light in the Kerr effect - 48

* The page number in the parentheses indicates an erratum to the letter.

Chirkov, V. A. (see Zubov, V. A.) -150
Chizhikova, Z. A. (see Galanin, M. D.) -300
Chukhovskii, F. N. (see Kagan, Yu. M.) -133
Delone, G. A. (see Bystrova, T. B.) -178
Delone, N. B. (see Bystrova, T. B.) -178
Denisov, F. P., A. Duisebaev, and P. A. Cerenkov. Angular Distributions of Cu^{64} Recoil Nuclei in the Reaction Cu^{65} (γ, n)Cu^{64} -200
Deryugin, I. A., V. V. Zaporozhets, and G. A. Melkov. Nonlinear Ferromagnetic Resonance -292
Dolgopolov, V. T. (see Gantmakher, V. F.) -12
Dolgov, A. D. (see Vainshtein, A. I.) -136
Doroshkevich, A. G., Ya. B. Zel'dovich, and I. D. Novikov. Neutrinos and Gravitons in the Anisotropic Model of the Universe -96
Drozhbin, Yu. A., Yu. P. Zakharov, V. V. Nikitin, A. S. Semenov, and V. A. Yakovlev. Generation of Ultrashort Light Pulses with a GaAs Semiconductor Laser -143
Dubinina, A. N. and L. S. Krasitskaya. Determination of the Adiabaticity Parameter ρ_L/R for an Electron Moving in an Axially-symmetrical Magnetic Trap -184
Dubovskii, L.B. (see Azbel', M.Ya) - 338
Dudoladov, I. P. (see Bakanova, A. A.) -265
Duisebaev, A. (see Denisov, F. P.) -200
Dyatlov, I. T. (see Ansel'm, A. A.) -330
Epshtein, E. M. Negative Conductivity Produced under the Influence of Hypersonic Flux -188
Epshtein, E. M. (see Zil'berman, P. E.) -316
Ermagambetov, S. B., L. D. Smirenkina, G. N. Smirenkin, and A. S. Tishin. Fragment Angular Distribution in the Fission of Th^{232} by 1.6-MeV Neutrons -30
Eselevich, V. G., R. Kh. Kurtmullaev, and V. I. Pil'skii. Influence of Dispersion Effects on the Structure of a Shock Wave in a Magnetized Plasma -255
Evlanova, N. F., A. S. Kovalev, V. A. Koptsik, L. S. Kornienko, A. M. Prokhorov, and L. N. Rashkovich. Stimulated Emission of $LiNbO_3$ Crystals with Neodymium Impurity -291
Fabelinskii, I. L. (see Aref'ev, I. M.) - 355
Fabelinskii, I. L. (see Korobkin, V. V.) -307
Fabelinskii, I. L. (see Starunov, V. S.) -260
Fainberg, V. Ya. and L. V. Fil'kov. Sum Rule for π^0, η, and χ^0 Meson Interaction Constants -51 (140)
Farbshtein, I. I. (see Parfen'ev, R. V.) -203
Fedin, E. I. and N. V. Gorskaya. Irreversibility of Transition of NMR signals Through a Weak Field in Some Molecular Crystals -11
Fedin, E. I. (see Korsunskii, A. A.) -239
Fetisov, V. N., A. N. Gorbunov, and A. T. Varfolomeev. Effects of Nuclear and Coulomb Interaction of Nucleons in the Final State in the Case of Three Particle Photodisintegration of the He^3 Nucleus -150
Fil'kov, L. V. Relations between the Interaction Constants of σ, f, ρ, and ω Mesons -153
Fil'kov, L. V. (see Fainberg, V. Ya.) -51
Firsov, V. G. (see Myasishcheva, G. G.) -182
Fisher, L. M. (see Itskevich, E. S.) -114
Folomeshkin, V. N. (see Anisovich, V. V.) -277
Galanin, M. D. and Z. A. Chizhikova. Two-photon Dichroism in Nitrobenzene -300
Galkin, A. A. and V. M. Svistunov. Observation of Josephson Generation in a Pb-I-Pb Tunnel Junction -323
Galkina, T. I., V. A. Kurbatov, and N. A. Penin. Radiative Capture of Electrons by Neutral and Singly-charged Zinc Ions in Germanium -267
Gantmakher, V. F. and V. T. Dolgopolov. Excitation of Standing Sound Waves in Bi by an Electromagnetic Method -12
Garif'yanov, N. S., B. M. Khabibullin, E. G. Kharakhash'yan, and A. L. Bezzubov. Electron Paramagnetic Resonance in Lithium Containing Impurities of Group IIB Metals -17
Gavrilova, I. V. (see Gorelik, V. S.) -171
Geilikman, B. T. and V. Z. Kresin. Thermal Properties of Anomalous Superconductors -220
Gekker, I. R. (see Sergeichev, K. F.) -146
Gerasimov, S. B. Cabibbo-Radicati Sum Rule and Photodisintegration of Three-nucleon Nuclei -337
Gershtein, S. S. (see Anisovich, V. V.) -277
Gertsenshtein, M. E. (see Braginskii, V. B.) -287
Ginzburg, V. L. and G. F. Zharkov. Superfluidity of the Cosmological Neutrino "Sea" -223
Glazunov, V. K., V. F. Kitaeva, L. Ya. Ostrovskaya, and N. N. Sobolev. Level Population in Pulsed Argon-ion Laser -215
Golovei, M. P. (see Oranovskii, V. E.) -206
Gorazdovskii, T. Ya. Hard Radiation from Solids Failing in Shear -64
Gorbunov, A. N. (see Fetisov, V. N.) -150
Gorelik, V. S., I. V. Gavrilova, Zheludev, I. S., G. V. Peregudov, V. S. Ryazanov, and M. M. Sushchinskii. Investigation of the Raman Spectra of Single-crystal $NaClCO_3$ in a Wide Temperature Interval -171
Gorelik, L. L. (see Borman, V. D.) -85
Gorlov, G. V., N. S. Lebedeva, and V. M. Morozov. Small Angle Elastic Scattering of Polarized 4-MeV Neutrons by Medium and Heavy Nuclei -106
Gorskaya, N. V. (see Fedin, E. I.) -11
Goryachev, B. I., B. S. Ishkhanov, I. M. Kapitonov, I. M. Piskarev, V. G. Shevchenko, and O. P. Shevchenko. Structure of the Cross Section of the Reaction Ca^{40}(γ, p) -180
Grechishkin, V. S. and N. E. Ainbinder. Two-frequency Excitation of Qudrupole Spin Echo

-72
Gulyaev, A. I. Visual Observation of Second Sound by the Toepler Method -325
Gulyaev, Yu. V. Feasibility of Negative Differential Conductivity (NDC) Connected with Amplification of Sound in a Semiconductor in the Presence of Traps -342
Gurevich, V. L. Magnetic-impurity Resonance in Semiconductors -210
Guro, G. M., I. I. Ivanchik, and N. F. Kovtonyuk. Semiconducting Properties of Ferroelectrics -5
Iferov, G. A., G. P. Pokhil, and A. F. Tulinov. Increase in the Yield of Nuclear-reaction Products when a Single-crystal Target is Used -201
Ishkhanov, B. S. (see Goryachev, B. I.) -180
Itskevich, E. S. and L. M. Fisher. Measurement of Shubnikov - de Haas Effect in Graphite at Pressures up to 8 kbar -114 (318)
Ivanchik, I. I. (see Guro, G. M.) -5
Ivanov, A. G. (see Mineev, V. N.) -244
Kadigrobov, A. M. (see Kaganov, M. I.) -218
Kagan, Yu. and A. M. Afanas'ev. Anomalous Diffuse Small-angle Mossbauer Scattering in Crystals -40
Kagan, Yu. M. and F. N. Chukhovskii. Collective Coulomb Excitation of Nuclei in a Regular Crystal -133
Kaganov, M. I., A. M. Kadigrobov, I. M. Lifshitz, and A. A. Slutskin. Role of Magnetic Breakdown in Galvanomagnetic Phenomena -218
Kaidalov, A. B. and B. M. Karnakov. Formation of Resonances in n^+p Collisions and Regge Poles -284
Kaidalov, A. B. (see Vainshtein, A. I.) -136
Kakichashvili, Sh. D., V. V. Mumladze, and N. M. Ramishvili. New Method of Obtaining High-resolution Holograms -305
Kaminskii, A. A. (see Bagdasarov, Kh. S.) -175
Kapitonov, I. M. (see Goryachev, B. N.) -180
Kaplyanskii, A. A., V. N. Medvedev, and A. K. Przhevuskii. Influence of Electric Field on the Luminescence Spectra of Exchange-linked Chromium Ion Pairs in Ruby -347
Karnakov, B. M. (see Kaidalov, A. B.) -284
Karplyuk, K. S. and V. N. Oraevskii. Excitation of Oscillations in "Decay" Instability of Steady-state Waves in a Plasma - 365
Kazantsev, A. P. Excitations of Exciton Type in a Gas -8
Keldysh, L. V. and A. N. Kozlov. Collective Properties of Large-radius Excitons -190
Khabibullin, B. M. (see Garif'yanov, N. S.) -17
Khalatnikov, I. M. Magnetic Universe with Matter -155
Khalatnikov, I. M. Sound in a Degenerate Solution of He^3 in Superfluid Helium -235
Kharakhash'yan, E. G. (see Garif'yanov, N. S.) -17
Kharkevich, G. I. (see Lobashov, V. M.) -73
Khriplovich, I. B. (see Vainshtein, A. I.) -57
Khristiansen, G. B. (see Vernov, S. N.) -126
Kikoin, I. K. and S. D. Lazarev. Oscillations of the Photomagnetic Effect in Indium Arsenide -321
Kitaeva, V. F. (see Glazunov, V. K.) -215
Kobzarev, I. Yu. (see Belavin, A. A.) -226
Kolomenskii, A. A. The Linotron - A Short Linear Accelerator -164
Komar, A. A. and L. M. Slad'. Electromagnetic Processes and Integer Quark Charge -53
Kononov, E. Ya. (see Basov, N. G.) -141
Koptsik, V. A. (see Evlanova, N. F.) -291
Kopvillem, U. Kh. (see Nagibarov, V. R.) - 360
Kopylov, G. I. Contribution to the Theory of Holographic Image Magnification -314
Kopylovskii, B. D. (see Aref'ev, I. M.) - 355
Korablev, L. V. Instability, Connected with the "Loss Cone" of a Plasma with Hot Electrons -111
Korenblit, I. Ya. "Hot" Optical Phonons in Polar Semiconductors -77
Kornienko, L. S. (see Evlanova, N. F.) -291
Korobkin, V. V., D. I. Mash, V. V. Morozov, I. L. Fabelinskii, and M. Ya. Shchelev. Development of Stimulated Mandel'shtam-Brillouin Scattering with Time in Nitrogen Gas at 150 atm -307
Korsunskii, A. A. and E. I. Fedin. Irreversibility of NMR Signal Passage through a Weak Field and the Spin-lattice Relaxation Mechanism in Molecular Crystals -239
Kovalev, A. S. (see Evlanova, N. F.) -291
Kovtonyuk, N. F. (see Guro, G. M.) -5
Kozlov, A. N. (see Keldysh, L. V.) -190
Krasik, B. R. (see Akhmedov, S. Sh.) - 358
Krasitskaya, L. S. (see Dubinina, A. N.) -184
Kravchenko, V. I., M. S. Soskin, and V. V. Tarabrov. Laser with Frequency Scanning During the Generation Process -293
Kresin, V. Z. (see Geilikman, B. T.) -220
Kryukov, P. G. (see Ambartsumyan, R. V.) -312
Kulik, I. O. Quantum Size Effects in the Electric Conductivity of Thin Film - 345
Kupriyanov, S. E. Ionization of Highly Excited Atoms and Ions of Noble Gases in an Electric Field and Near a Metallic Surface -197
Kurbatov, V. A. (see Galkina, T. I.) -267
Kurnosov, V. V., A. A. Pleshkov, G. S. Petrukhina, L. A. Rivlin, V. G. Trukhan, and V. V. Tsvetkov. Emission of a Short Single Pulse by an Injection Semiconductor Laser -63
Kurt, V. G. and R. A. Syunyaev. Measurements of the Ultraviolet Radiation of the Metagalactic Gas, Made Outside the Atmosphere -246

Kurtmullaev, R. Kh. (see Eselevich, V. G.) -255
Kvitek, I. and Yu. P. Popov. Measurement of the Reaction Nd(n, α) with Resonant Neutrons -301
Lapsker, Ya. E. (see Bagdasarov, Kh. S.) -175
Lazarev, S. D. (see Kikoin, I. K.) -321
Lebedeva, N. S. (see Gorlov, G. V.) -106
Leontovich, A. M., M. N. Popova, and M. Ya. Shchelev. Shape of Wave Front and Spatial Emission Coherence in a Ruby Laser Giant Pulse -257
Leontovskii, M. P. Wave Functions of Baryons and Fundamentals of Quark Dynamics - 362
Letokhov, V. S. Stimulated Emission of an Ensemble of Scattering Particles with Negative Absorption -212
Letokhov, V. S. (see Ambartsumyan, R. V.) -312
Levintov, I. N. Concerning one Possibility of Observing Branch Points Connected with p and p' Poles -
Lifshitz, I. M. (see Kaganov, M. I.) -218
Likhachev, V. M., M. S. Rabinovich, and V. M. Sutovskii. Feasibility of Investigating a Pinch Discharge by Using Its Intrinsic Stimulated Emission -43
Likhachev, V. N. and V. N. Sushko. Energy Spectrum of a Finite Fermi System -310
Lipmanov, E. M. Critical Experiment for the Hypothesis of Neutral Lepton Currents in CP-odd $|\Delta S| = 1$ Superweak Interaction -104
Lisitsyn, Yu. V. (see Mineev, V. N.) -244
Lisovskii, F. V. and Ya. A. Monosov. Echo Pulses in Yttrium Iron Garnet -1 (318)
Lobashov, V. M., V. A. Nazarenko, L. F. Saenko, L. M. Smotritskii, and G. I. Kharkevich. Circular Polarization of Quanta from Ta^{181} -59
Lundin, A. G. (see Zeer, E. P.) -173
Lyubimov, V. A. Possibility of Investigating the p-p Interaction in the Energy Interval 30 - 700 GeV -101
L'vov, V. S. and S. S. Starobinets. Scattering of Light by Coherent Spin Waves -194
Mandel'shtam, S. L. (see Basov, N. G.) -141
Mandzhavidze, Z. Sh. and V. I. Roinishvili. Discharge-condensation Method of Detecting Charged-particle Tracks -139
Markov, M. A. (see Asanov, R. A.) -341
Mash, D. I. (see Korobkin, V. V.) -307
Mash, D. Sh. (see Aref'ev, I. M.) - 355
Mashkevich, V. S. and M. S. Soskin. Determination of the Character of Multimode Generation and the Magnitude of Homogeneous Broadening in Spectrally Inhomogeneous Systems - 369
Matveev, Yu. A. (see Ambartsumyan, R. V.) -312
Medvedev, V. N. (see Kaplyanskii, A. A.) -347
Melkov, G. A. (see Deryugin, I. A.) -292
Migdal, A. A. Universal Interaction of Regge Particles with Vector and Scalar Currents-332
Mikaelyan, A. L., L. N. Razumov, N. A. Sakharova, and Yu. G. Turkov. Production of Fourier Holograms with the Aid of a Pulsed Ruby Laser -119
Mikhailova, T. N. (see Zverev, G. M.) -319
Mikhailovskaya, L. V. Cyclotron Instability of Monoenergetic Ions in a Curvilear Magnetic Field -279
Mineev, V. N., A. G. Ivanov, E. Z. Novitskii, Yu. N. Tyunyaev, and Yu. V. Lisitsyn. Polarization of Silicon and Germanium under Impact Loading -244
Mirkin, L. I. (see Barenblatt, G. I.) -69
Mirlin, D. N. (see Bogomolov, V. N.) -241
Monosov, Ya. A. (see Lisovskii, F. V.) -1
Moroz, V. I. (see Vishnevskii, V. F.) -252
Morozov, V. M. (see Gorlov, G. V.) -106
Morozov, V. V. (see Korobkin, V. V.) -307
Mostovnikov, V. A. (see Stepanov, B. I.) -117
Mumladze, V. V. (see Kakichashvili, Sh. D.) -305
Myasishcheva, G. G., Yu. V. Obukhov, V. S. Roganov, and V. G. Firsov. Study of the Behavior of Muonium in Scintillating Plastic -182
Naberezhnykh, V. P., and D. T. Tsymbal. Temperature Dependence of the Line Amplitude of the Size Effect in Cadmium -263
Nagibarov, V. R. and U. Kh. Kopvillem. Feasibility of Generating and Receiving Gravitational Wave by Optically "Closed" Systems - 360
Nazarenko, V. A. (see Lobashov, V. M.) -59
Nikitin, V. V. (see Drozhbin, Yu. A.) -143
Nikitin, Yu. P. (see Babichev, N. B.) -162
Nikolaev, B. I. (see Borman, V. D.) -85
Nivikov, I. D. (see Doroshkevich, A. G.) -96
Novikov, L. N. (see Pokazan'ev, V. G.) -298
Novikov, Yu. N. (see Berlovich, E. E.) -334
Novitskii, E. Z. (see Mineev, V. N.) -244
Obukhov, Yu. V. (see Myasishcheva, G. G.) -182
Oraevskii, V. N. (see Karplyuk, K. S.) - 365
Oranovskii, V. E. and M. P. Golovei. Anti-Stokes Energy Transfer between Cu and Mn Centers in Electroluminescence of ZnS-Cu, Mn, -206
Ostrovskaya, L. Ya. (see Glazunov, V. K.) -215
Osiko, V. V. (see Voron'ko, Yu. K.) -295
Ostrovskii, L. A. Self-action of Light in Crystals -272
Ovchinnikov, A. A. Complexes of Several Spins in a Linear Heisenberg Chain -38
Parfen'ev, R. V., I. I. Farbshtein, and S. S. Shalyt. Complex Oscillation of the Photomagnetic Effect in n-InSb in a Strong Magnetic Field -203
Pashkov, V. A. (see Zverev, G. M.) -319

Penin, N. A. (see Galkina, T. I.) -267
Peregudov, G. V. (see Gorelik, V. S.) -171
Peregudov, G. V. (see Zubov, V. A.) -150
Perepelkin, V. V. Investigation of $\gamma\gamma$ Direction Correlation in the Decay of Mn^{54} -81
Peschanskii, V. G. (see Azbel', M. Ya.) -19
Petrakovskii, G. A. and E. M. Smokotin. Temperature Dependence of Single-crystal Lithium Ferrite -186
Petrukhina, G. S. (see Kurnosov, V. V.) -63
Pikus, G. E. (see Bogomolov, V. N.) -169
Pilipetskii, N. F. (see Barenblatt, G. I.)-69
Pil'skii, V. I. (see Eselevich, V. G.) -255
Pisarev, R. V., I. G. Sinii, and G. A. Smolenskii. Anomalous Dispersion of the Faraday Effect in Ferrimagnetic $RbNiF_3$ -79
Piskarev, I. M. (see Goryachev, B. I.) -180
Pleshkov, A. A. (see Kurnosov, V. V.) -63
Pokazan'ev, V. G. and L. N. Novikov. Resonance Induced in an Effective Field by Modulated Light -298
Pokhil, G. P. (see Iferov, G. A.) -201
Popov, Yu. P. (see Kvitek, I.) -301
Popova, M. N. (see Leontovich, A. M.) -257
Prikhot'ko, A. F., T. P. Ptukha, and L. I. Shanskii. Splitting of Absorption Lines of Oxygen Crystals in a Magnetic Field -328
Privorotskii, I. A. Theory of the Domain Wall in Metals under the Conditions of the de Haas -- van Alphen Effect -228
Prokhorov, A. M. (see Evlanova, N. F.) -291
Przhevuskii, A. K. (see Kaplyanskii, A. A.)-347
Ptukha, T. P. (see Prikhot'ko, A. F.) -328
Rabinovich, M. S. (see Askar'yan, G. A.) - 93
Rabinovich, M. S. (see Askar'yan, G. A.) - 121
Rabinovich, M. S. (see Askar'yan, G. A.) - 208
Rabinovich, M. S. (see Likhachev, V. M.) - 43
Raizer, Yu. P. (see Barenblatt, G. I.) - 69
Ramishvili, N. M. (see Kakichashvili, Sh. D.) -305
Rashkovich, L. N. (see Evlanova, N. F.) -291
Razumov, L. N. (see Mikaelyan, A. L.) -119
Rivlin, L. A. (see Kurnosov, V. V.) -63
Roganov, V. S. (see Myasishcheva, G. G.) -182
Roinishvili, V. I. (see Mandzhavidze, Z. Sh) -139
Roitsin, A. B. (see Bugai, A. A.) -67
Rubinov, A. N. (see Stepanov, B. I.) -117
Ryazanov, V. S. (see Gorelik, V. S.) -169
Rybicki, K. Transverse Momenta of Leading Particles in Nucleon-Nucleon Interactions with Energies 10^{12} - 10^{14} eV -130
Saenko, L. F. (see Lobashov, V. M.) -59
Sakharov, A. D. Violation of CP Invariance, C Asymmetry, and Baryon Asymmetry of the Universe -24 (109)
Sakharov, A. D. Quark-muonic Currents and Violation of CP Invariance -27 (110)
Sakharova, N. A. (see Mikaelyan, A. L.) -119
Samsonenko, N. D. and E. V. Sobolev. Electron Paramagnetic Resonance Produced by the Surface of Diamond -250
Savchenko, M. M. (see Askar'yan, G. A.) -121
Savchenko, M. M. (see Askar'yan, G. A.) -208
Semenov, A. S. (see Drozhbin, Yu. A.) -143
Sergeichev, K. F. and I. R. Gekker. Containment of a Cylindrical Plasma Stream by a Strong Microvave Field -146
Shakhbazyan, B. A. (see Vishnevskii, V. F.) -252
Shalyt, S. S. (see Parfen'ev, R. V.) -203
Shanskii, L. I. (see Prikhot'ko, A. F.) -328
Shapoval, E. A. Critical Temperature of Small Superconductors -45
Shchelev, M. Ya. (see Korobkin, V. V.) -307
Shchelev, M. Ya. (see Leontovich, A. M.) -257
Shevchenko, O. P. (see Goryachev, B. I.) -180
Shevchenko, V. G. (see Goryachev, B. I.) -180
Shul'man, S. G. (see Bogomolov, V. N.) -169
Shustin, O. A., I. A. Yakovlev, and T. S. Velichkina. Absorption of Sound in Single-crystal NH_4Cl during Its Phase Transformation -3
Shuvalov, I. K. (see Zubov, V. A.) -150
Sinii, I. G. (see Pisarev, R. V.) -79
Sinitsyn, V. V. (see Borman, V. D.) -85
Sklizkov, G. V. (see Basov, N. G.) -141
Slad', L. M. (see Komar, A. A.) -53
Slutskin, A. A. Conduction Electrons with Small Effective Masses -74
Slutskin, A. A. (see Kaganov, M. I.) -218
Smirenkin, G. N. (see Ermagambetov, S. B.)-30
Smirenkina, L.D. (see Ermagambetov, S.B.) -30
Smirnova, A. D. (see Askar'yan, G. A.) -93
Smokotin, E. M. (see Petrakovskii, G. A.)-186
Smolenskii, G. A. (see Pisarev, R. V.) -79
Smotritskii, L. M. (see Lobashov, V. M.) -59
Sobolev, B. P. (see Bagdasarov, Kh. S.) -175
Sobolev, E. V. (see Samsonenko, N. D.) -250
Sobolev, N. N. and V. V. Sokovikov. Influence of Rate of Disintegration of the Lower Laser Level on the Power of a CO_2 Laser -99
Sobolev, N. N. (see Glazunov, V. K.) -215
Sokovikov, V. V. (see Sobolev, N. N.) -99
Solov'eva, V. M. (see Zverev, G. M.) -319
Soskin, M. S. (see Kravchenko, V. I.) -293
Soskin, M. S. (see Mashkevich, V. S.) - 369
Starobinets, S. S. (see L'vov, V. S.) -194
Starunov, V. S., E. V. Tiganov, and I. L. Fabelinskii. Fine Structure in the Spectrum of the Thermal Rayleigh Line Wing in Liquids -260
Stepanov, B. I., A. N. Rubinov, and V. A. Mostovnikov. Optic Generation in Solutions of Complex Molecules -117
Stepanov, E. P. and A. Yu. Aleksandrov. Change in the Mossbauer Spectrum of Te^{125m} in the Semiconductor PbTe Following Irradiation in a Reactor -83
Stepanov, V. K. (see Askar'yan, G. A.) -121

Stepanov, V. K. (see Askar'yan, G. A.) -208
Studenov, V. B. (see Askar'yan, G. A.) -93
Studenov, V. B. (see Askar'yan, G. A.) -208
Sukhorukov, A. P. (see Akhmanov, S. A.) -87
Sushchinskii, M. M. (see Gorelik, V. S.) -171
Sushchinskii, M. M. (see Zubov, V. A.) -150
Sushko, V. N. (see Likhachev, V. N.) -310
Sutovskii, V. M. (see Likhachev, V. M.) -43
Sviridenkov, E. A. (see Belikova, T. P.) -22
Svistunov, V. M. (see Galkin, A. A.) -323
Syunyaev, R. A. (see Kurt, V. G.) -246
Tarabrov, V. V. (see Kravchenko, V. I.) -293
Teplov, M. A. (see Al'tshuler, S. A.) -167
Tiganov, E. V. (see Starunov, V. S.) -260
Timofeev, A. I. (see Turov, E. A.) -107
Tishin, A. S. (Ermagambetov, S. B.) -30
Trukhan, V. G. (see Kurnosov, V. V.) -63
Tsvetkov, V. V. (see Kurnosov, V. V.) -63
Tsymbal, D. T. (see Naberezhnykh, V. P.) -263
Tulinov, A. F. (see Iferov, G. A.) -201
Turkov, Yu. G. (see Mikaelyan, A. L.) -119
Turov, E. A. and A. I. Timofeev. Nuclear Magetoacoustic Resonance and Spin-lattice Relaxation in Antiferomagnets of the Easy Plane Type -107
Tyunyaev, Yu. N. (see Mineev, V. N.) -244
Vainshtein, A. I., A. D. Dolgov, V. I. Zakharov, and A. B. Kaidalov. τ Decay and Current Algebra -136
Vainshtein, A. I. and I. B. Khriplovich. Calculation of K_1 and K_2 Mass Difference -57
Vaishtein, L. A. and A. V. Vinogradov. Ionization of Ar Atoms in the Ar^+ Excited State -269
Varfolomeev, A. T. (see Fetisov, V. N.) -150
Veduta, A. P. Refractive-index Change and Absorption of Certain Liquids in a Strong Light Field -124
Velichkina, T. S. (see Shustin, O. A.) -3
Vernov, S. N., A. T. Abrosimov, V. D. Volovik, I. I. Zalyubovskii, and G. B. Khristiansen. Radio Emission of Extensive Air Showers (EAS) of Cosmic Rays -126
Vesman, E. A. Concerning One Possible Mechanism of Production of the Mesic-molecular Ion $(dd\,\mu)^+$ -91
Vinogradov, A. V. (see Vaishtein, L. A.) -269
Vishnevskii, V. F., V. I. Moroz, and B. A. Shakhbazyan. Search for Resonances in a System of Two Baryons with S = -1 and S = 0 -252
Voinov, Yu. P. (see Basov, N. G.) -141
Volkov, D. V. Coalescence of Boson Regge Trajectories at $t \leq 0$ -281
Volovik, V. D. (see Vernov, S. N.) -126
Voron'ko, Yu. K. and V. V. Osiko. Nature of Concentration Quenching of the Luminescence of Nd^{+++} Ions in Crystals -295
Voronov, G. S. (see Bystrova, T. B.) -178
Vsevolodov, N. N. (see Barenblatt, G. I.) -69
Yakovlev, I. A. (see Shustin, O. A.) -3
Yakovlev, V. A. (see Drozhbin, Yu. A.) -143
Yankauskas, Z. K. Dependence of the Width of a Self-focusing Light Beam on the Power -275
Zakharov, V. I. (see Vainshtein, A. I.) -136
Zakharov, Yu. P. (see Drozhbin, Yu. A.) -143
Zalyubovskii, I. I. (see Vernov, S. N.) -126
Zaporozhets, V. V. (Deryugin, I. A.) -292
Zavaritskii, N. V. Phonon Spectrum of the Superconducting Modification of Bismuth -352
Zeer, E. P. and A. G. Lundin. Effect of Lattice-distorting Impurities on Photon Magnetic Resonance Spectra -173
Zel'dovich, Ya. B. (see Doroshkevich, A. G.) -96
Zharkov, G. F. (see Ginzburg, V. L.) -223
Zheludev, I. S. (see Gorelik, V. S.) -171
Zhizhin, E. D. (see Babichev, N. B.) -162
Zil'berman, P. E. and E. M. Epshtein. Negative Differential Conductivity (NDC) Connected with Acoustoelectric Current -316
Zubov, V. A., G. V. Peregudov, M. M. Sushchinskii, V. A. Chirkov, and I. K. Shuvalov. Observation of Stimulated Raman Scattering of Light in Crystalline Powders -150
Zverev, G. M., T. N. Mikhailova, V. A. Pashkov, and V. M. Solov'eva. Self-focusing of Laser Beams in Ruby and Leucosapphire Crystals -319